

## AMENDMENTS TO THE CLAIMS

*Please amend the claims as follows:*

1. (Currently amended) A driver comprising:  
a resistance network comprising a plurality of legs; and  
a plurality of predriver circuits, each of the plurality of predriver circuits being  
associated with one of the plurality of legs of the resistance network, each  
predriver circuit ~~receiving~~ to receive a first input to determine whether the  
predriver produces a signal and a second input to determine when to  
produce the signal, each of the plurality of predriver circuits comprising a  
passgate and a capacitor.
2. (Original) The driver of claim 1, wherein the first input indicates whether the  
associated leg of the resistance network is active.
3. (Previously amended) The driver of claim 2, wherein the second input to the  
predriver circuit either is the same as the first input for the predriver circuit or is  
the first input for another of the predriver circuits.
4. (Original) The driver of claim 3, wherein the legs of the resistance network are in  
a certain order and wherein the second input for each predriver circuit is an input  
for a leg of the resistance network matched in a reversed order.
5. (Original) The driver of claim 3, wherein if a predriver circuit produces a signal:

the predriver circuit produces the signal after a first time interval if the second input to the predriver circuit indicates that the relevant leg is active; and the predriver circuit produces after a second time interval if the second input to the predriver circuit indicates that the relevant leg is inactive.

6. (Original) The driver of claim 5, wherein slower conditions result in more active legs producing signals using a shorter time interval.
7. (Original) The driver of claim 5, wherein faster conditions result in more of the legs that are active producing signals using a longer time interval.
8. (Cancelled)
9. (Previously amended) The driver of claim 1, wherein the second input to the predriver circuit is applied to the passgate, the second input determining whether the passgate opens or closes a path to the capacitor.
10. (Previously amended) A method comprising:  
receiving a first input and a second input for each of a plurality of signals,  
wherein:  
the first input for each of the plurality of signals indicates whether a  
resistance associated with the signal is active, the resistance  
comprising one leg of a resistance network, the resistance network  
comprising a plurality of legs, and  
the second input indicates whether one leg of the plurality of legs of the  
resistance network is active, the legs of the resistance network

being in a certain order and the second input for each signal being  
matched in reverse order;  
determining whether to produce each signal based at least in part on the first input  
for the signal; and  
determining when to produce each signal based at least in part on the second input  
for the signal.

11-14. (Cancelled)

15. (Currently amended) A device comprising:

an interface to a bus; and

an I/O driver circuit to drive signals on the bus, the I/O driver comprising:

a driver section; and

a predriver section comprising:

a resistance compensation network comprising a plurality of legs,

and

a plurality of predriver circuits, each predriver circuit being

associated with one of the plurality of legs, each predriver

circuit ~~receiving~~ to receive a first input to determine if the

predriver circuit produces a signal and a second input to

determine the predriver circuit produces a signal, each of

the plurality of predriver circuits comprising a passgate and

a capacitor.

16. (Original) The device of claim 15, wherein the first input to a predriver circuit indicates whether the associated leg of the resistance compensation network is active.
17. (Previously amended) The device of claim 16, wherein the second input to a predriver circuit either is the same as the first input for the predriver circuit or is the first input for another of the predriver circuits.
18. (Original) The device of claim 17, wherein the legs of the resistance network have a certain order and wherein the second input for each predriver circuit is an input for a leg of the resistance network matched in a reverse order.
19. (Original) The device of claim 17, wherein if a predriver circuit produces a signal:  
  
the predriver circuit produces the signal after a first delay if the second input to  
  
the predriver circuit indicates that the relevant leg is active; and  
  
the predriver circuit produces the signal after a second delay if the second input to  
  
the predriver circuit indicates that the relevant leg is inactive.
20. (Original) The device of claim 19, wherein if PVT (process, voltage, or temperature) conditions for the device result in slower operation, more of the active predriver circuits produce signals after a shorter delay.
21. (Original) The device of claim 20, wherein if PVT conditions for the device result in faster operation, more of the active predriver circuits produce signals after a longer delay.

22. (Cancelled)
23. (Previously amended) The device of claim 15, wherein the second input determines whether the passgate opens or closes a path to the capacitor.
24. (Currently amended) A system comprising:
- a processor;
  - a bus;
  - a driver to drive signals on the bus, the driver comprising:
    - a resistance network comprising a plurality of legs; and
    - a plurality of predriver circuits, each of the plurality of predriver circuits being associated with one of the plurality of legs of the resistance network, each predriver circuit ~~receiving~~ to receive a first input to determine whether the predriver produces a signal and a second input to determine when to produce the signal, each of the predriver circuits comprising a passgate and a capacitor.
25. (Original) The system of claim 24, wherein the first input to a predriver circuit indicates whether the associated leg of the resistance network is active.
26. (Previously amended) The system of claim 25, wherein the second input to the predriver circuit either is the same as the first input for the predriver circuit or is the first input for another of the predriver circuits.

27. (Original) The system of claim 26, wherein the legs of the resistance network are in a certain order and wherein the second input for each predriver circuit is an input for a leg of the resistance network matched in a reversed order.
28. (Original) The system of claim 26, wherein if a predriver circuit produces a signal:  
the predriver circuit produces the signal after a first time interval if the second input to the predriver circuit indicates that the relevant leg is active; and  
the predriver circuit produces after a second time interval if the second input to the predriver circuit indicates that the relevant leg is inactive.
29. (Cancelled)
30. (Previously added) A method comprising:  
receiving a first input and a second input for each of a plurality of signals,  
wherein:  
the first input for each of the plurality of signals indicates whether a resistance associated with the signal is active, the resistance comprising one leg of a resistance network, the resistance network comprising a plurality of legs, and  
the second input indicates whether one leg of the plurality of legs of the resistance network is active;  
determining whether to produce each signal based at least in part on the first input for the signal; and

determining when to produce each signal based at least in part on the second input for the signal, wherein determining when to produce each signal comprises choosing to produce a signal after a first delay if the second input for the signal is active and choosing to produce the signal after a second delay if the second input for the signal is inactive.

31. (Previously added) A method comprising:

receiving a first input and a second input for each of a plurality of signals,

wherein:

the first input for each of the plurality of signals indicates whether a

resistance associated with the signal is active, the resistance

comprising one leg of a resistance network, the resistance network

comprising a plurality of legs, and

the second input indicates whether one leg of the plurality of legs of the

resistance network is active;

determining whether to produce each signal based at least in part on the first input

for the signal; and

determining when to produce each signal based at least in part on the second input

for the signal, wherein determining when to produce each signal

comprises choosing to produce the signal after a shorter delay in slow

conditions and choosing to produce the signal after a longer delay in fast

conditions.